ORDER NO. RD7404-1089

Service Manual

Panasonic®
RADIO
Panasonic®

COMBINATION OF RE-8585
4-CHANNEL AMPLIFIER
SPEAKER SYSTEM.....SB-6224

FM-AM 4-CHANNEL AMPLIFIER WITH 8-TRACK TAPE PLAYER

MODEL **RE-8585**

■ SPECIFICATIONS

Frequency Range:	FM	87.5~108 MHz
	AM	525~1605 kHz
Intermediate Frequency:	FM	10.7 MHz
	AM	455 kHz
Sensitivity:	FM	5μV for 30 dB Quieting
	AM	70μV/m for 50 mW Output
Power Source:	AC 120V 60 Hz	
Power Consumption:	70W at 120V	
Speakers:	Four 6½" PM Dynamic Speaker	
Dimensions:	Amp. 17¾"(Wide) × 5⅛"(High) × 10 15/16"(Deep)	
Weight:	Amp. 13 lb.	
Impedance:	Speaker 8Ω	
	4CH MPX Out Jack 5kΩ (Output)	
	FM Antenna Terminal 300Ω	
	Phono Jack 2MΩ	
	4 CH AUX/2 CH	
	Tape In Jack 100kΩ	
	Recording Out Jack...5kΩ (Output)	
	Speaker Jack 8Ω	
	Headphone Jack 8Ω	

Specifications are subject to change without notice for futher improvement.

MATSUSHITA ELECTRIC CORP. OF AMERICA Pan-Am Bldg., 200 Park Ave. New York, N.Y. 10017
MATSUSHITA ELECTRIC OF HAWAII, INC. 320, Waiakamilo Road Honolulu, Hawaii 96817
MATSUSHITA ELECTRIC OF CANADA LTD. 40 Ronson Drive, Rexdale, Ont.

■ TO REMOVE CABINET COVER

1. Remove three (3) rear panel screws, nos. 4~6, as illustrated in fig. 1.
2. Loosen (Do not remove) three (3) cabinet cover screws, nos. 1~3, as illustrated in fig. 2.
3. Remove four (4) cabinet cover screws, nos. 1,2,3 & 7, as illustrated in fig. 1.
4. Remove cabinet cover.
5. To reassemble, reverse the above procedure.

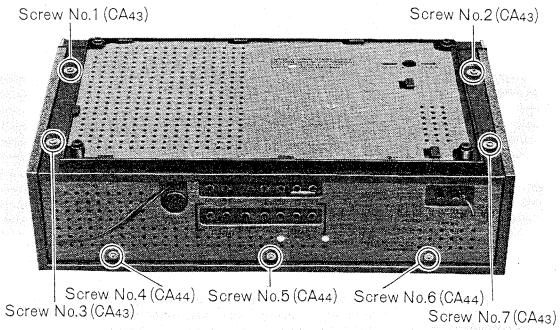


Fig. 1

■ TO REMOVE TAPE DECK

1. Remove cabinet cover. (Refer to cabinet cover removal instruction.)
2. Remove one (1) tape deck screw, as illustrated in fig. 3.
3. Remove four (4) tape deck screws, nos. 1~4, as illustrated in fig. 4.
4. To remove tape deck complete, pull out sockets to chassis.
5. To reassemble, reverse the above procedure.

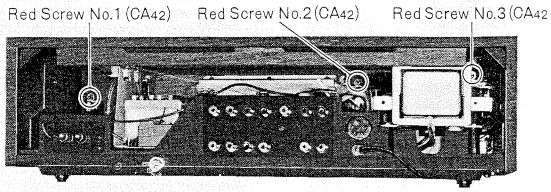


Fig. 2

■ TO REMOVE DIAL LAMP BRACKET

1. Remove cabinet cover.(Refer to cabinet cover removal instruction).
2. Remove two (2) dial lamp bracket screws, nos. 1 & 2, as illustrated in fig. 5.
3. To reassemble, reverse the above procedure.

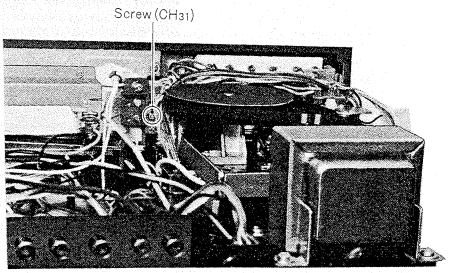


Fig. 3

■ DIAL CORD INSTALLATION GUIDE

1. Remove dial lamp bracket from chassis. (Refer to lamp bracket removal instruction.)
2. Dial cord length is $42\frac{7}{8}$".
3. Set tuning gang to maximum capacity.
4. Arrows (1~9) indicate correct order and direction of dial cord installation, as illustrated in fig. 6.
5. Cement dial cord ends.

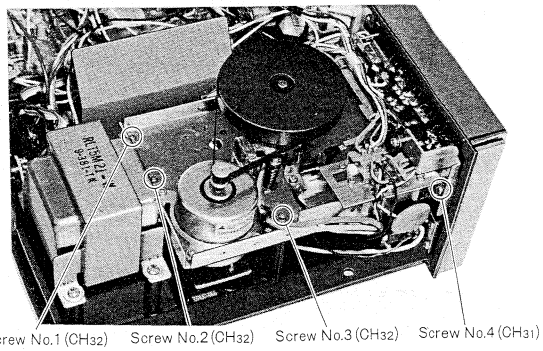


Fig. 4

■ TO MOUNT DIAL POINTER

1. Set tuning gang to maximum capacity.
2. Set dial pointer to start point of dial scale.
3. Attach dial cord to dial pointer.

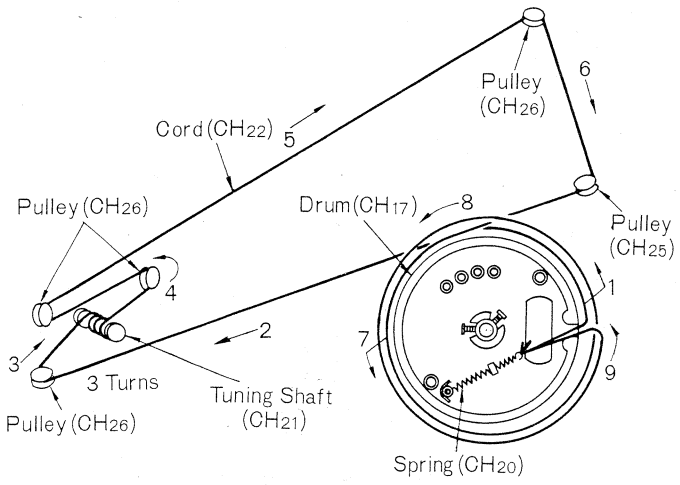


Fig. 6

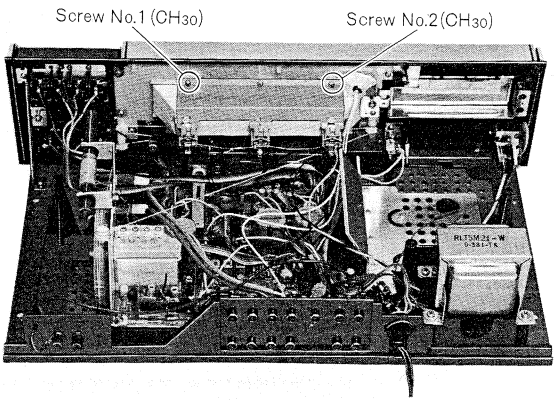


Fig. 5

■ ALIGNMENT INSTRUCTIONS

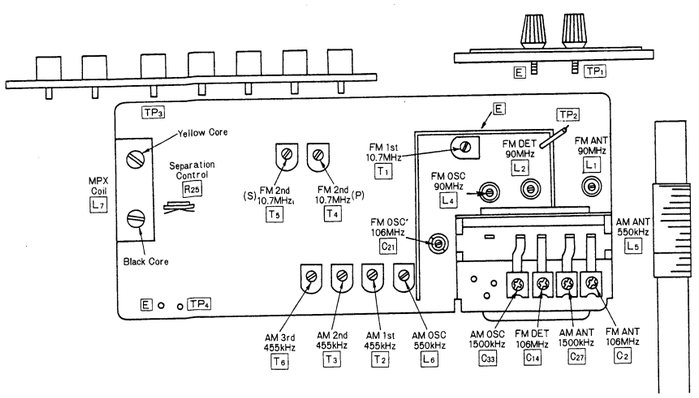
READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Notes :

1. Set volume control to maximum or minimum (FM-I-F).
2. Set bass & treble control to center.
3. Set power source switch to ON.
4. Set AFC switch to OFF(FM-IF & RF).
5. Set selector switch to AM or FM.
6. Set power source voltage to 120 volts AC.
7. Output of signal generator should be no higher than necessary to obtain an output reading.
8. When FM aligning, remove line cord antenna attached to EXT FM antenna terminal.

	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING (DISTANCE)	INDICATOR (VTVM or SCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
	AM ALIGNMENT					
(1)	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455 kHz 30% Mod. with 400 Hz.	Point of non-interference. (on/about 600 kHz)	Output meter across speaker jack. (Left Front)	T_2 (1st IFT) T_3 (2nd IFT) T_6 (3rd IFT)	Adjust for maximum output.
(2)	〃	550 kHz	550 kHz ($\frac{5}{32}$'')	〃	L_6 (OSC Coil) (*1)L_5 (ANT Coil)	Adjust for maximum output. Adjust L_5 by moving coil bobbin along ferrite core.
(3)	〃	1500 kHz	1500 kHz ($4\frac{7}{32}$'')	〃	C_{33} (OSC Trimmer) C_{27} (ANT Trimmer)	Adjust for maximum output. Repeat steps (2) and (3).
	(*1)Cement antenna bobbin with wax after completing alignment.					
	FM-IF ALIGNMENT					
(4)	High side thru. 0.001μF to point **TP2**, Common to chassis.	10.7 MHz (400 kHz SWP.)	Point of non-interference. (on/about 90 MHz).	Connect vert. amp. of scope to point **TP3**, Common to chassis.	T_1 (FM 1st IFT) T_4 (FM 2nd IFT) (Primary)	Adjust for maximum amplitude and proper linearity between ±100 kHz markers. (Refer tc fig. 7.)
(5)	〃	〃	〃	Connect vert. amp. of scope to point **TP3**, Common to chassis.	T_5 (FM 2nd IFT) (Secondary)	Adjust **T5** so that 10.7 MHz marker appears at the center. (Refer to fig 8.)
	FM-RF ALIGNMENT					
(6)	Connect to EXT FM antenna terminal through FM dummy antenna. (Refer to fig. 9.)	90 MHz	90 MHz ($\frac{81}{32}$'')	Output meter across speaker. jack. (Left Front)	L_4 (FM OSC Coil) L_2 (FM DET Coil) L_1 (FM ANT Coil)	(*2)Adjust for maximum output.
(7)	〃	106 MHz	106 MHz ($4\frac{5}{8}$'')	〃	C_{21} (FM OSC Trimmer) C_{14} (FM DET Trimmer) C_2 (FM ANT Trimmer)	(*2)Adjust for maximum output. Repeat steps (6) and (7).
	(*2)Three output responses will be present; proper tuning is the centen frequency.					

■ ALIGNMENT POINTS



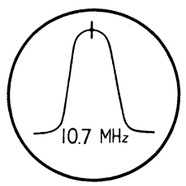


Fig. 7

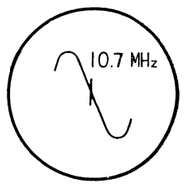


Fig. 8

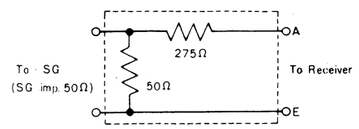


Fig. 9 FM Dummy Antenna

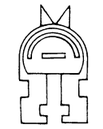
EQUIPMENT REQUIRED

- * Stereo Modulator.....Connect Stereo Modulator output to EXT. Mod. terminal of signal generator.
- * Signal Generator.....Modulation Rate of 19 kHz Pilot Signal.....10%.
  Modulation Rate by L+R Signal.....27% (Alignment Step 2)
  Output Level.....60 dB
  Frequency.....Approximately 98 MHz
- * Oscilloscope
- * VTVM
- * Dummy Antenna
- * Low Pass Filter

Notes: 1. When aligning, remove line cord antenna attached to External FM Antenna terminal.
2. When aligning, set R_{25} as illustrated in figure below.

CONTROL SETTING & PROCEDURE

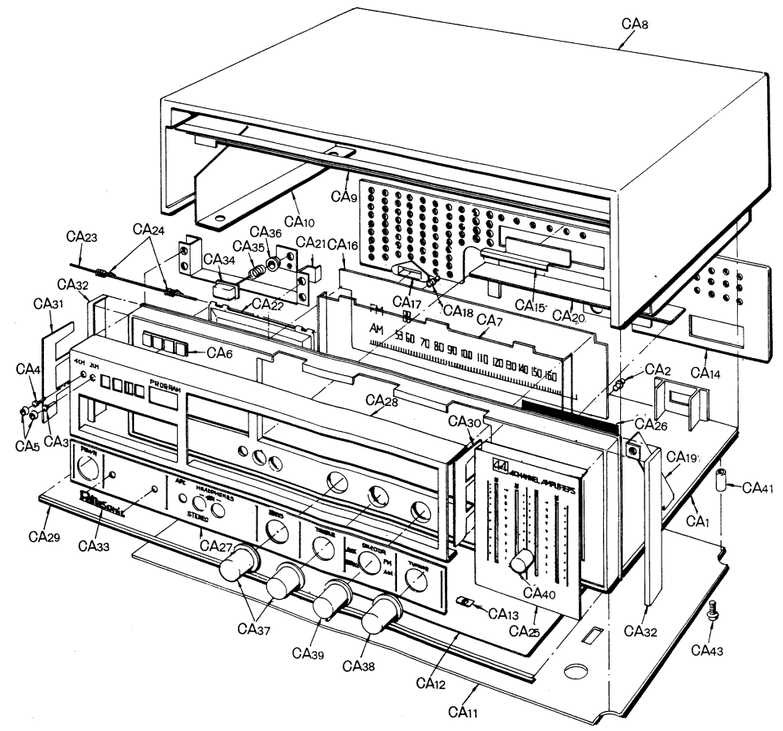
1. Set selector switch to FM Stereo.
2. Set bass & treble control to center.
3. Set power source voltage to 120 volts AC.
4. Set tuning gang to approximately 98 MHz.
5. Set volume control to audible level of speaker sound.
6. Set power source switch to ON.



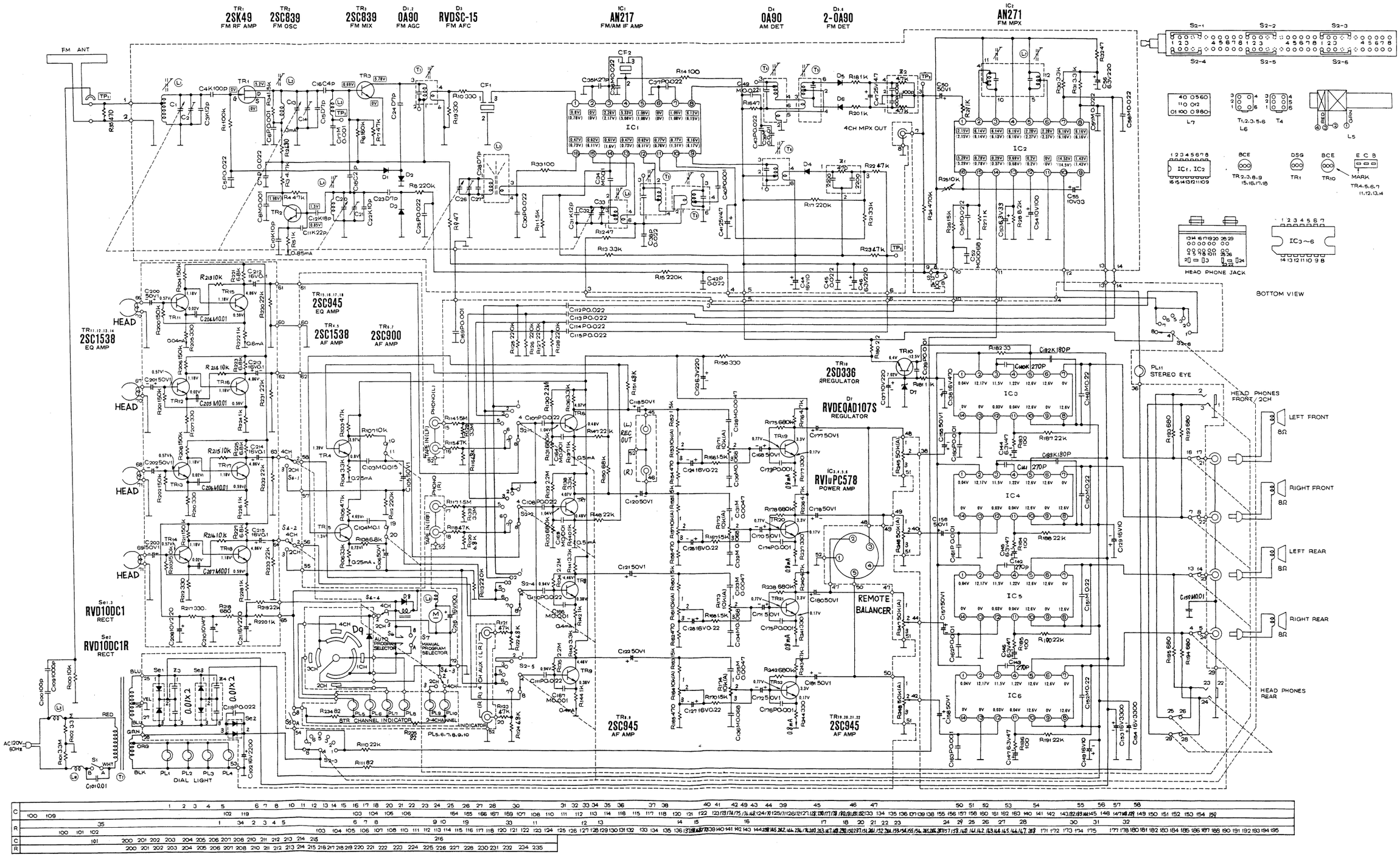
R_{25} 10kΩ (B)

	EQUIPMENT CONNECTIONS			ADJUSTMENT	REMARKS
	SIGNAL GENERATOR	VTVM	OSCILLOSCOPE		
	PILOT CIRCUIT ALIGNMENT				
(1)	Connect to EXT FM antenna terminal through dummy antenna.	—	Connect across REC OUT jack. (Left Front)	L_7 (MPX Coil) (Yellow Core)	Adjust L_7 for maximum oscilloscope pattern of 19 kHz.
	SEPARATION ALIGNMENT				
(2)	〃	Connect across speaker jack. (Left Front)	Connect to terminals of VTVM.	R_{25} (Separation Control)	Adjust R_{25} for the minimum indication on VTVM from the left side output when the right side of Stereo modulator is modulated.

■ CABINET PARTS LOCATIONS



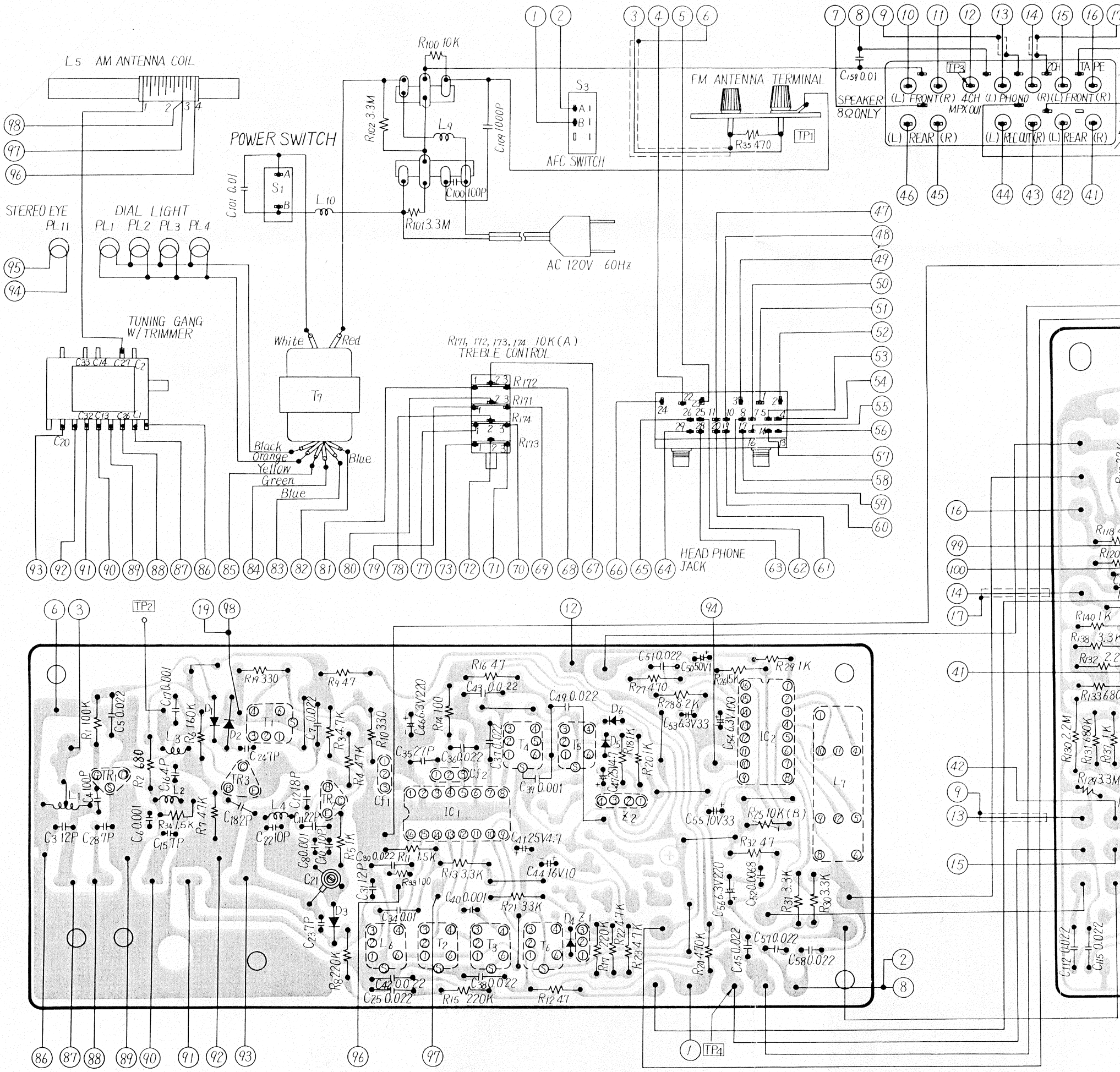
Schematic Diagram – Model RE-8585



Notes:

1. S_1: Power source switch in "OFF" position.
2. $S_{2\text{-}1}$~$S_{2\text{-}6}$: Selector switch in "8-TRACK" position.
3. S_3: FM AFC switch in "OFF" position.
4. $S_{4\text{-}1}$~$S_{4\text{-}4}$: 2CH-4CH selector switch in "4CH" position.
5. S_5: Motor switch
6. S_6: Auto program selector.
7. S_7: Manual program selector switch.
8. S_8: Program selector switch.
9. DC voltage measurements are taken with circuit tester 10KΩ/V from earth.
   □.....FM position ( ).....AM position
   〈 〉.....FM Stereo position

Circuit Board Wiring View-I



TR, D & IC	TR1	D1 D2 TR3	TR2 D3	IC1	D4	D5 D6	IC2
T & L	L1	L5 L3 L2	L4 T1 L10 T7	L6 L9 T2	T3	T4 T6	T5	L7

TR1

	FM
G	0V
S	0V
D	5.2V
Id	3mA

TR2

	FM
C	1.98V
B	1.5V
E	0.85V
Ie	0.85mA

TR3

	FM
C	5.78V
B	0.69V
E	0V

TR4

C	3.97V
B	1.39V
E	0.8V
Ie	0.25mA

TR5

C	4.65V
B	1.3V
E	0.73V
Ie	0.25mA

TR6,7

C	4.07V
B	1.04V
E	0.48V
Ie	0.5mA

TR8,9

C	4.46V
B	0.94V
E	0.38V
Ie	0.4mA

TR10

C	12.5V
B	7.02V
E	6.4V

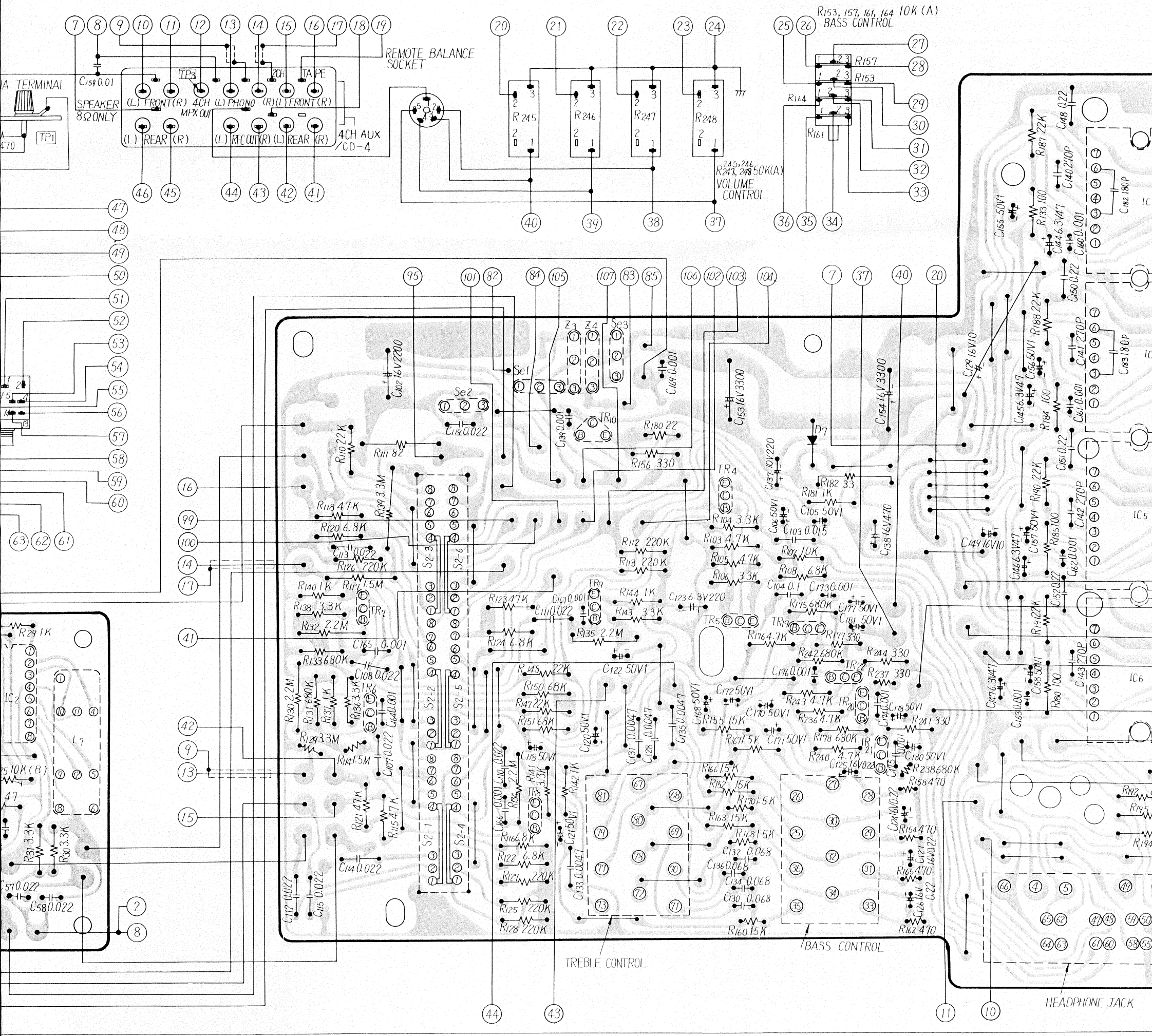
IC1

	FM	AM		FM	AM
1	0.8V	0.78V	9	6.16V	6.17V
2	0V	0V	10	0.77V	1.51V
3	2.26V	2.17V	11	0.77V	0.76V
4	5.33V	5.08V	12	0.62V	6.11V
5	1.09V	1.08V	13	0.47V	0.73V
6	0V	0V	14	0.61V	1.6V
7	1.09V	1.08V	15	0.62V	6.11V
8	6.12V	6.15V	16	0.47V	0.73V

IC2

	FM ST.	FM MONO		FM ST	FM
1	2.15V	2.15V	9	1.43V	1
2	6.14V	6.14V	10	14.5V	14
3	6.13V	6.14V	11	0V	
4	6.16V	6.16V	12	0.2V	0
5	2.27V	2.28V	13	0.68V	0
6	2.27V	2.28V	14	0.37V	0
7	6.16V	6.16V	15	0.78V	0
8	6.16V	6.16V	16	5.29V	5

Circuit Board Wiring View–Model RE-8585



IC1

	FM	AM		FM	AM
1	0.8V	0.78V	9	6.16V	6.17V
2	0V	0V	10	0.77V	1.51V
3	2.26V	2.17V	11	0.77V	0.76V
4	5.33V	5.08V	12	0.62V	6.11V
5	1.09V	1.08V	13	0.47V	0.73V
6	0V	0V	14	0.61V	1.6V
7	1.09V	1.08V	15	0.62V	6.11V
8	6.12V	6.15V	16	0.47V	0.73V

IC2

	FM ST.	FM MONO		FM ST.	FM MONO
1	2.15V	2.15V	9	1.43V	1.43V
2	6.14V	6.14V	10	14.5V	14.53V
3	6.13V	6.14V	11	0V	0V
4	6.16V	6.16V	12	0.2V	0.2V
5	2.27V	2.28V	13	0.68V	0.69V
6	2.27V	2.28V	14	0.37V	0.29V
7	6.16V	6.16V	15	0.78V	0.78V
8	6.16V	6.16V	16	5.29V	5.29V

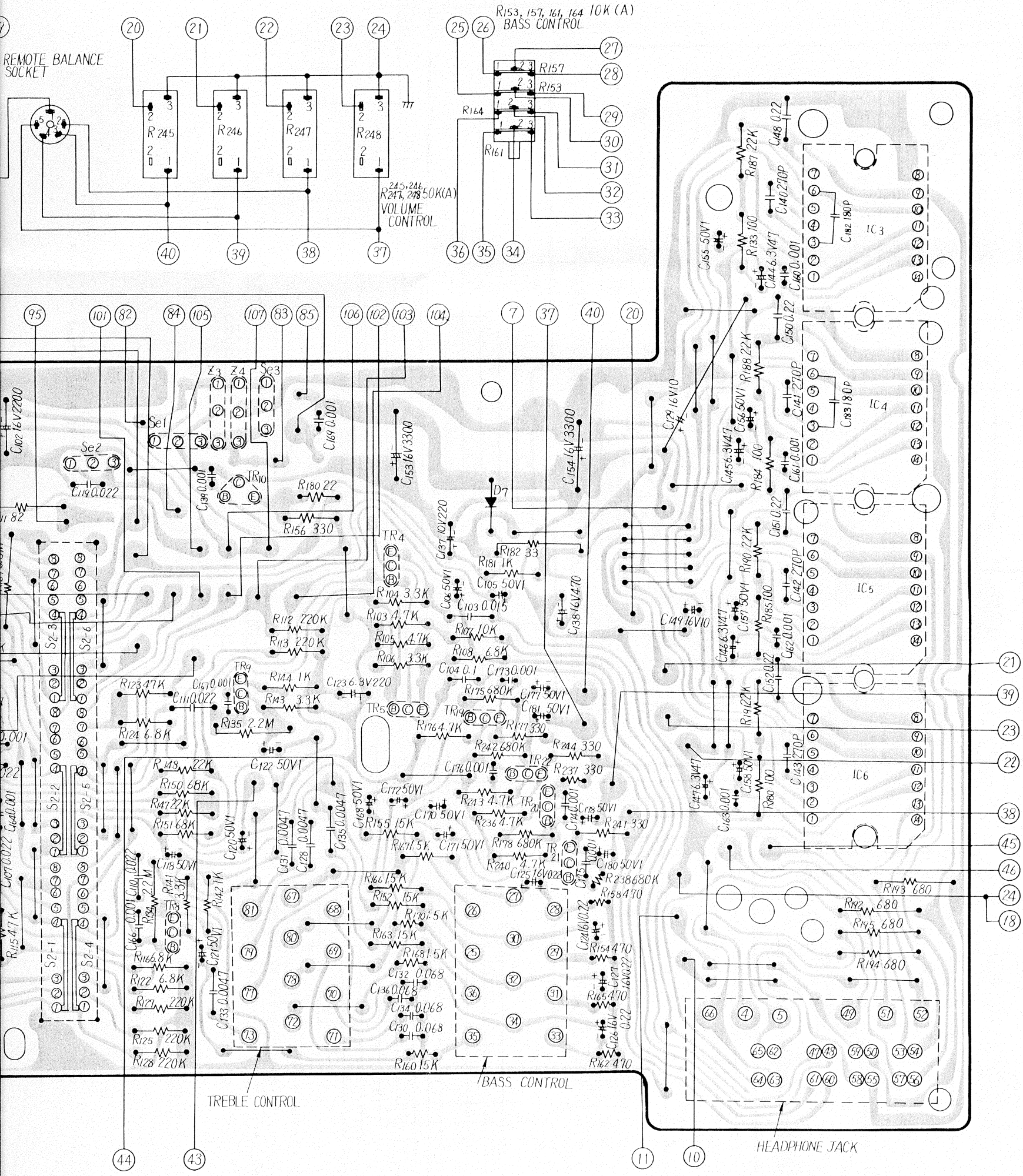
IC3.4.5.6

1	0.04V	8	12.6V
2	12.17V	9	0V
3	11.5V	10	12.6V
4	1.22V	11	0.04V
5	12.6V	12	0.03V
6	12.6V	13	0V
7	0V	14	0V

TR19.20.21.22

C	3.3V
B	0.77V
E	0.17V
Ie	0.8mA

el RE-8585



TR8 TR10 TR9 TR4 TR5 D7 IC3 IC4 IC5 IC6

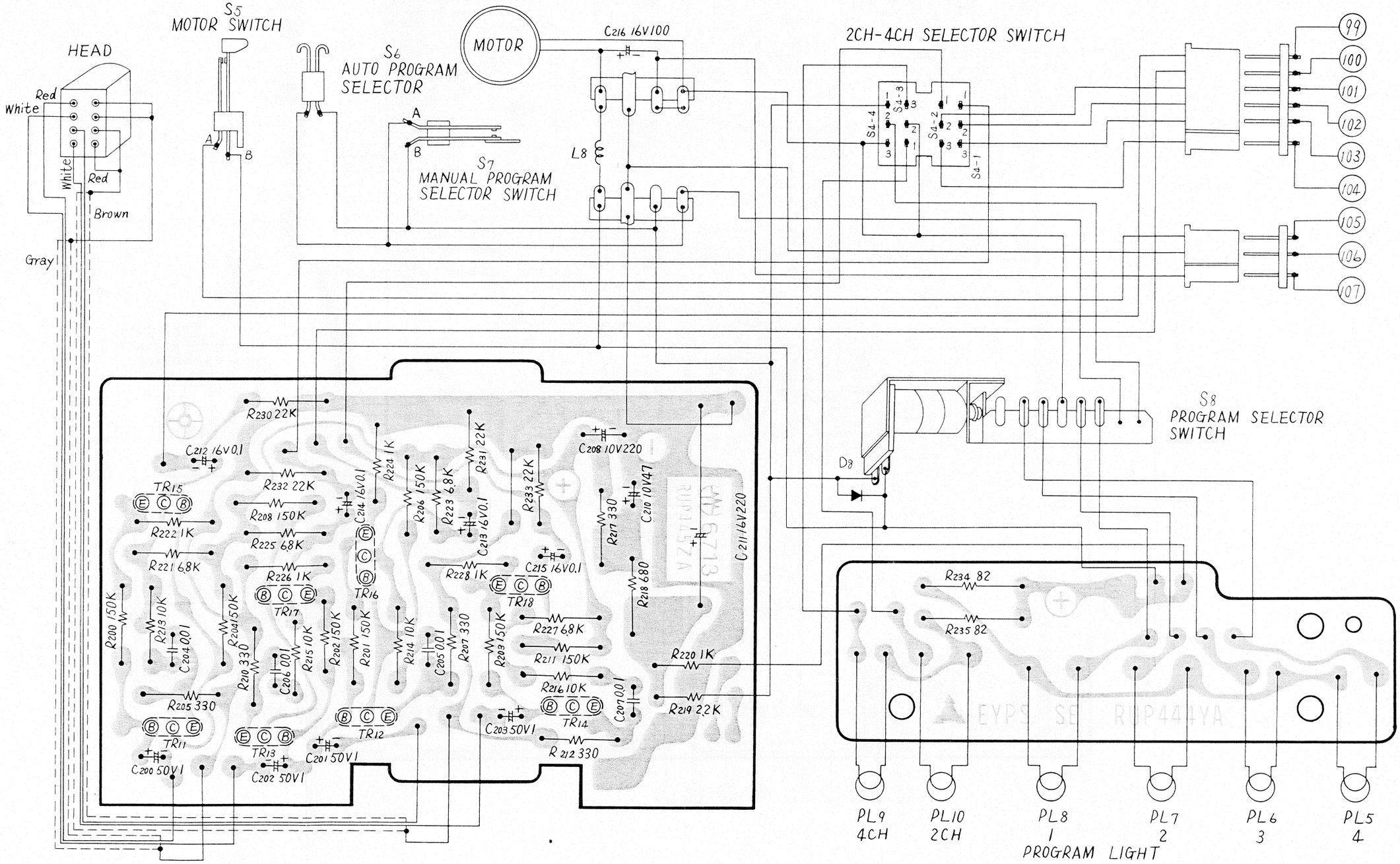
IC3,4,5,6

1	0.04V	8	12.6V
2	12.17V	9	0V
3	11.5V	10	12.6V
4	1.22V	11	0.04V
5	12.6V	12	0.03V
6	12.6V	13	0V
7	0V	14	0V

TR19,20,21,22

C	3.3V
B	0.77V
E	0.17V
Ie	0.8mA

Circuit Board Wiring View (Tape Deck) – Model RE-8585



TR&D	TR15 TR11	TR13 TR17	TR12 TR16	TR18	TR14	D8
L	L8					

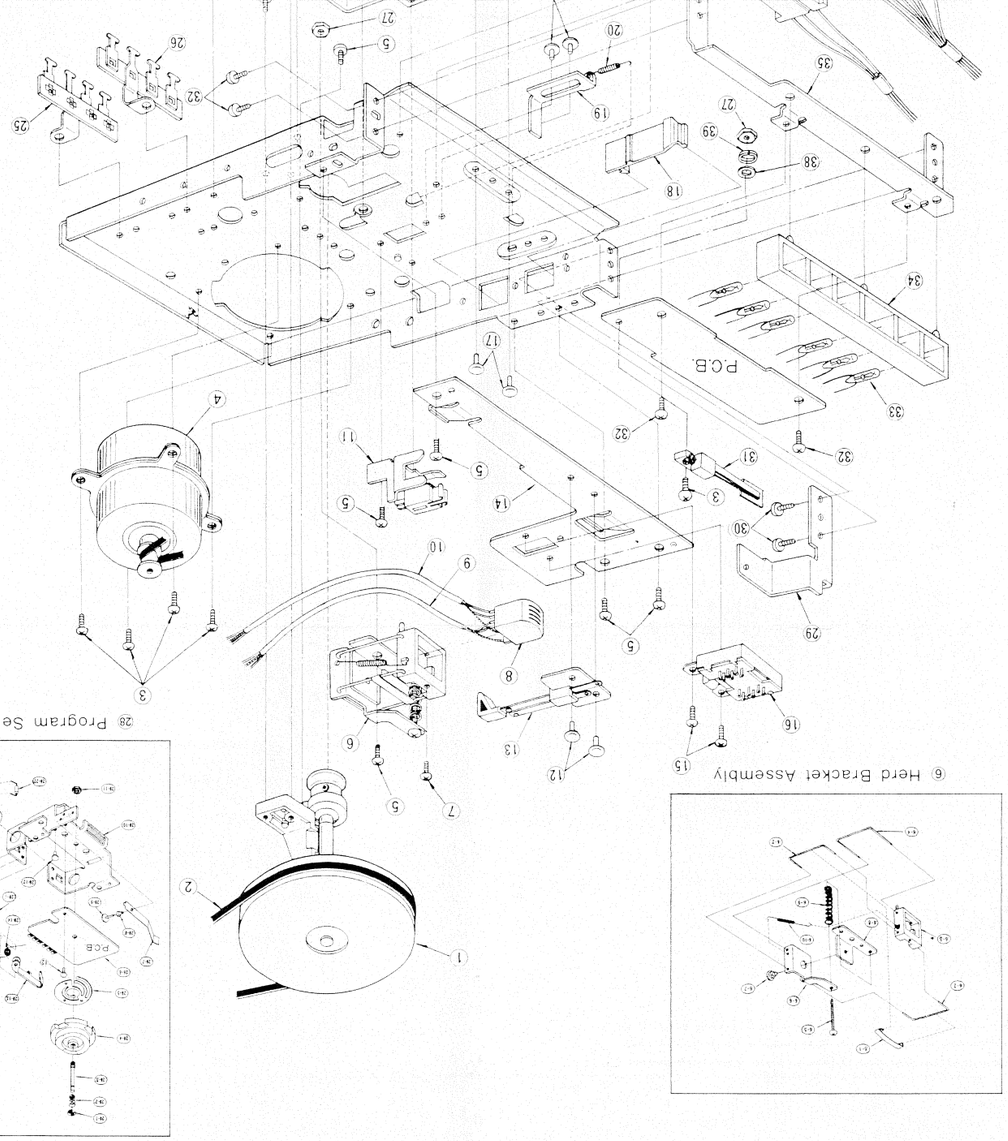
TR11, 12, 13, 14

C	1.18V
B	0.57V
E	0.02V
Ie	0.04mA

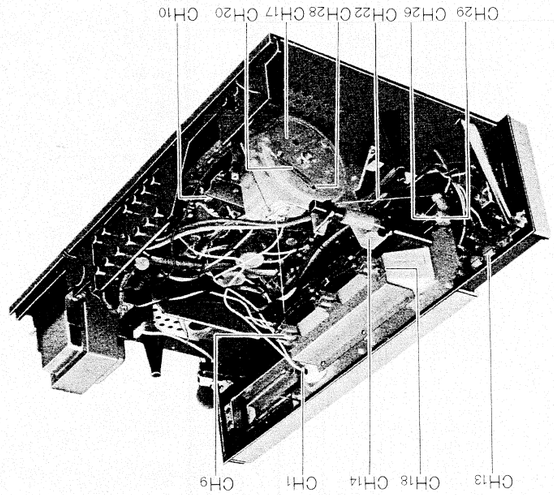
TR15, 16, 17, 18

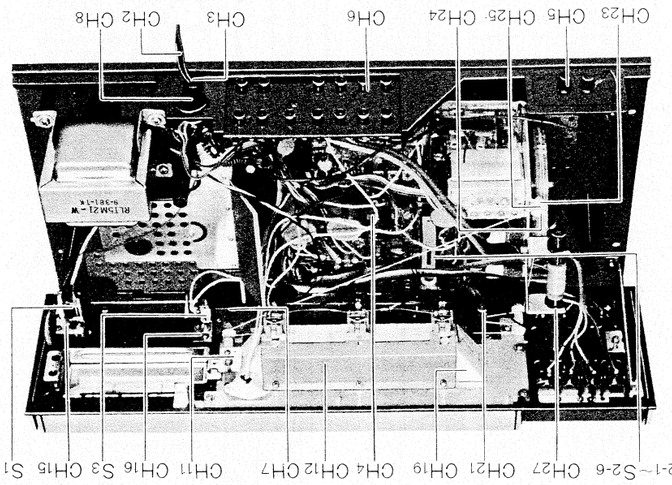
C	4.86V
B	1.18V
E	0.59V
Ie	0.6mA

■ ACCESSORY & PACKING PARTS LOCATIONS



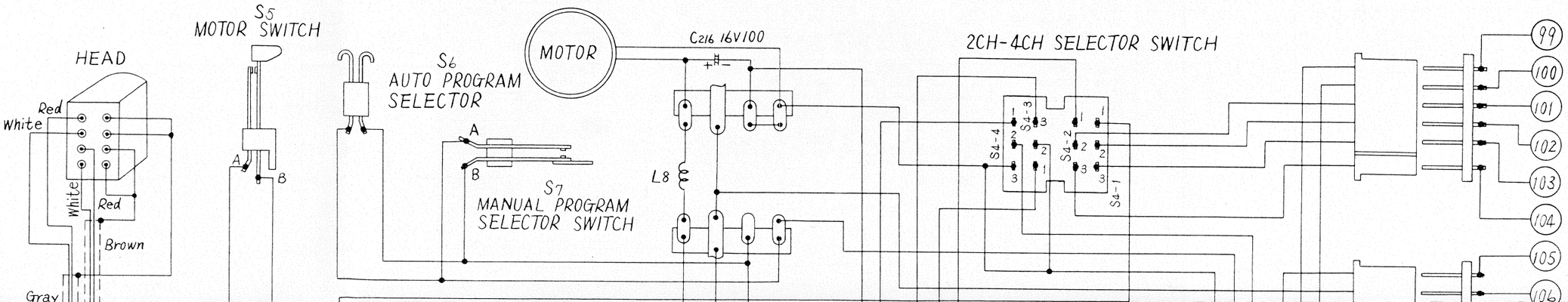
■ MECHANISM PARTS LOCATION-TAPE DECK

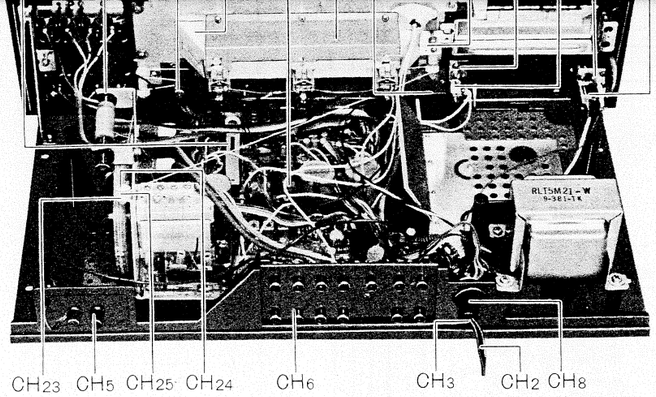


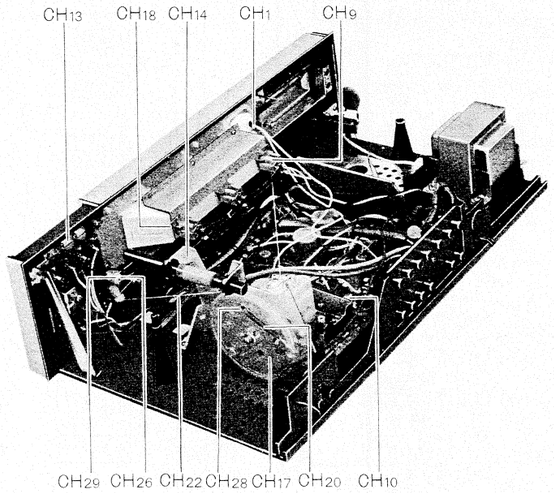


■ CHASSIS PARTS LOCATIONS

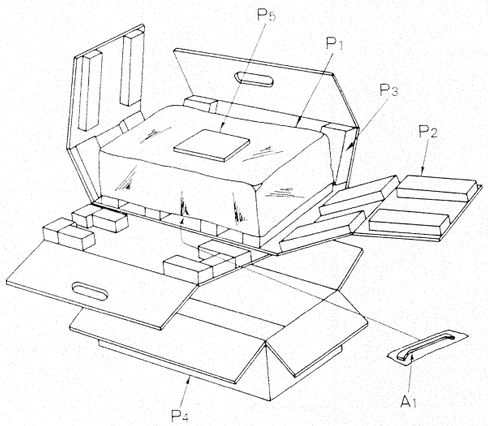
Circuit Board Wiring View (Tape Deck) – Model RE-8585

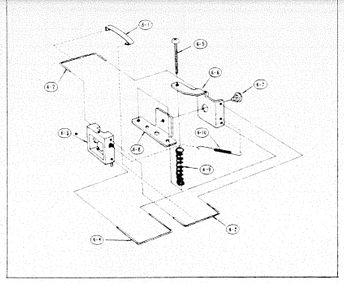




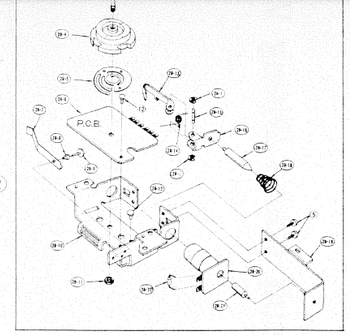


■ ACCESSORY & PACKING PARTS LOCATIONS

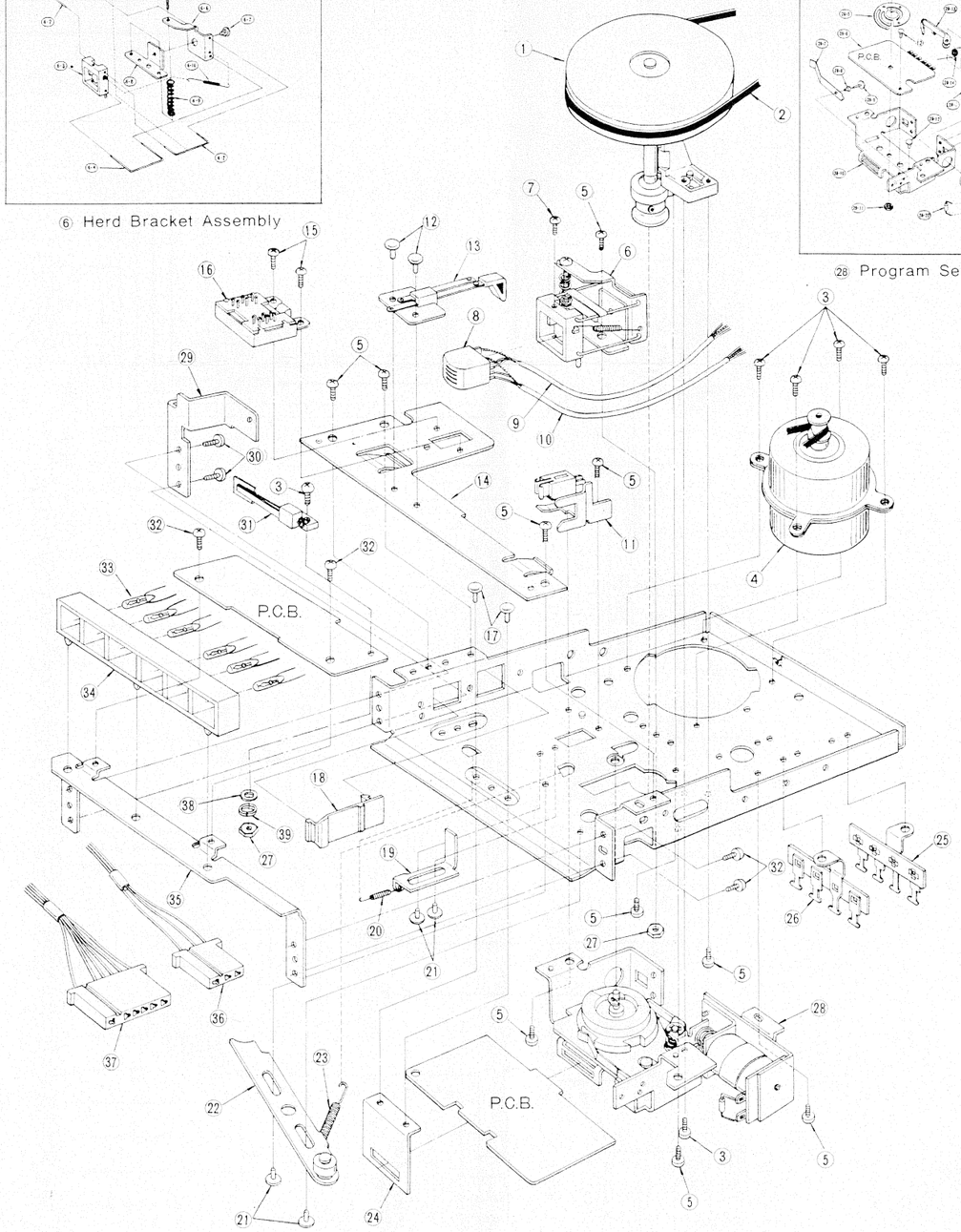




⑥ Herd Bracket Assembly



㉘ Program Selector Assembly



■ REPLACEMENT PARTS LIST

NOTES: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. ❹ mark indicated 18 serrations parts.

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUITS, TRANSISTORS AND DIODES				
IC1	AN217	FM IF, AM Converter & IF	1	
IC2	AN271	FM MPX	1	
IC3,4,5,6	RVIuPC578	Power Amplifier	4	
TR1	2SK49	FM RF Amplifier	1	
TR2,3	2SC839	FM Oscillator, Mixer	2	
TR4,5,11,12, 13,14	2SC1538	Equalizer, AF Amplifier	6	
TR6,7	2SC900	AF Amplifier	2	
TR8,9,15,16, 17,18,19, 20,21,22	2SC945	Equalizer, AF Amplifier	10	
TR10	2SD336	Regulator	1	
D1,2,4	0A90	FM D, AGC, AM Detector	3	
D3	RVDSC-15	FM AFC	1	
D5,6	2-0A90	FM Detector	1 pair	
D7	RVDEQA0107S	Regulator	1	
RECTIFIERS				
Se1,3	RVD10DC1	Rectifier	2	
Se2	RVD10DC1R	Rectifier	1	
CERAMIC FILTERS, COILS AND TRANSFORMERS				
L1	RLA4N8	FM Antenna Coil	1	
L2	RLD4N30	FM Detector Coil	1	
L3	RLQY30SI-0	FM IF Trap Coil	1	
L4	RL04N53	FM Oscillator Coil	1	
L5	RLF2D97-0	AM Antenna Coil	1	
L6	RL02M5	AM Oscillator Coil	1	
L7	RLM1Z3P-K	FM MPX Coil	1	
L8	RLQX101-1-Q	Choke Coil	1	
T1	RLI4M101	FM 1st IF Transformer	1	
T2	RLI2M201	AM 1st IF Transformer	1	
T3	RLI2M202	AM 2nd IF Transformer	1	
T4	RLI4M501	FM 2nd IF Transformer (Primary)	1	
T5	RLI4M502	FM 2nd IF Transformer (Secondary)	1	
T6	RLI2M401	AM 3rd IF Transformer	1	
T7	RLT5M21-W	Power Transformer	1	
CF1,2	RVFCF10S12CR	Ceramic Filter	2	
VARIABLE RESISTORS				
R25	EVLT0AA00B14	10KΩ (B), Separdtion Control	1	
R245,246,247 248	EVAR0AA10A54	50KΩ (A), Volume Control	4	
R153,157,161, 164,171,172 173,174	EWI60A30KA14	10KΩ (A), Bass & Treble Control	2	❹
VARIABLE CAPACITORS				
C21	ECVIZW10P39	Trimmer	1	
C1,13,20,26, 32	ECV5MX25X12A	Tuning Gang, W/Trimmer (C2,14,27, 33)	1	
COMPONENT COMBINATIONS				
Z1	EXAF472Z471	2200PFX2, 470Ω	1	
Z2	EXA5DL01CC	100PF×3, 4.7KΩ×2	1	
Z3,4	RXAF103P22HD	0.01μF×2	2	
SWITCHES				
S1	RSH71VAS-H	Power Switch	1	○
S2-1~S2-6	RSR77ZK-H	Selector Switch	1	❹
S3	RSH39Y-H	AFC Switch	1	○
RESISTORS				
R9,12,16,32	ERD18SJ470	47Ω, ⅛Watt, ±5%, Carbon	4	
R14,183,184 185,186	ERD18SJ101	100Ω, ⅛Watt, ±5%, Carbon	5	
R10,19,156, 177,205,219 207,210,212 241,244	ERD18SJ331	330Ω, ⅛Watt, ±5%, Carbon	11	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
R2,218	ERD18SJ681	680Ω, ⅛Watt, ±5%, Carbon	2	
R5,18,20,137 140,144,181 222,224,226 228,220	ERD18SJ102	1KΩ, ⅛Watt, ±5%, Carbon	12	
R11,167	ERD18SJ152	1.5KΩ, ⅛Watt, ±5%, Carbon	2	
R219	ERD18SJ222	2.2KΩ, ⅛Watt, ±5%, Carbon	1	
R13,30,31, 106,136,138 141,143,104	ERD18SJ332	3.3KΩ, ⅛Watt, ±5%, Carbon	9	
R3,22,23,103, 105,176,236 240,243,	ERD18SJ472	4.7KΩ, ⅛Watt, ±5%, Carbon	9	
R108,221,223 225,227,116 120,122,124	ERD18SJ682	6.8KΩ, ⅛Watt, ±5%, Carbon	9	
R107,213,214 215,216	ERD18SJ103	10KΩ, ⅛Watt, ±5%, Carbon	5	
R26,155	ERD18SJ153	15KΩ, ⅛Watt, ±5%, Carbon	2	
R187,188,190 191,230,231, 232,233,110, 147,148	ERD18SJ223	22KΩ, ⅛Watt, ±5%, Carbon	11	
R21	ERD18SJ333	33KΩ, ⅛Watt, ±5%, Carbon	1	
R4,7,115,118 121,123	ERD18SJ473	47KΩ, ⅛Watt, ±5%, Carbon	6	
R150,151	ERD18SJ683	68KΩ, ⅛Watt, ±5%, Carbon	2	
R1	ERD18SJ104	100KΩ, ⅛Watt, ±5%, Carbon	1	
R6,200,201, 202,203,204 206,208,211	ERD18SJ154	150KΩ, ⅛Watt, ±5%, Carbon	9	
R8,15,17,112 113,125,126 127,128	ERD18SJ224	220KΩ, ⅛Watt, ±5%, Carbon	9	
R24	ERD18SJ474	470KΩ, ⅛Watt, ±5%, Carbon	1	
R28	ERD18SJ822	8.2KΩ, ⅛Watt, ±5%, Carbon	1	
R131,133,175, 178,242	ERD18SJ684	680KΩ, ⅛Watt, ±5%, Carbon	5	
R33	ERD18VJ101	100Ω, ⅛Watt, ±5%, Carbon	1	
R100	ERD18TJ103	10KΩ, ⅛Watt, ±5%, Carbon	1	
R160	ERD18VJ153	15KΩ, ⅛Watt, ±5%, Carbon	1	
R35	ERD18TJ471	470Ω, ⅛Watt, ±5%, Carbon	1	
R237	ERD18VJ331	330Ω, ⅛Watt, ±5%, Carbon	1	
R154,158,162 165	ERD18VJ471	470Ω, ⅛Watt, ±5%, Carbon	4	
R168,170	ERD18VJ152	1.5KΩ, ⅛Watt, ±5%, Carbon	2	
R238,	ERD18VJ684	680KΩ, ⅛Watt, ±5%, Carbon	1	
R192,193,194 195	ERC12GM681	680Ω, ½Watt, ±20%, Solid	4	
R114,117	ERC12GM155	1.5MΩ, ½Watt, ±20%, Solid	2	
R130,132,134 135	ERC12GM225	2.2MΩ, ½Watt, ±20%, Solid	4	
R180	ERC12GM220	22Ω, ½Watt, ±20%, Solid	1	
R101,102,129 139	ERC12GM335	3.3MΩ, ½Watt, ±20%, Solid	4	
R111,234,235	ERG1ANJ820	82Ω, 1Watt, ±5%, Wire	3	
R182	ERG2ANJ330	33Ω, 2Watt, ±5%, Wire	1	
R27,29	ERD18VJ102	1KΩ, ⅛Watt, ±5%, Carbon	2	
R34,166	ERD18TJ152	1.5KΩ, ⅛Watt, ±5%, Carbon	2	
R152,163	ERD18TJ153	15KΩ, ⅛Watt, ±5%, Carbon	2	
R142	ERD18TJ102	1KΩ, ⅛Watt, ±5%, Carbon	1	
CAPACITORS				
C18	ECCD1H020C	2PF, 50WV, ±0.25PF, Ceramic	1	
C16	ECCD1H040C	4PF, 50WV, ±0.25PF, Ceramic	1	
C15,23,24,28	ECCD1H070DC	7PF, 50WV, ±0.5PF, Ceramic	4	
C10	ECCD1H100KC	10PF, 50WV, ±10%, Ceramic	1	
C3,31	ECCD1H120KC	12PF, 50WV, ±10%, Ceramic	2	
C12	ECCD1H180KC	18PF, 50WV, ±10%, Ceramic	1	
C11	ECCD1H220KC	22PF, 50WV, ±10%, Ceramic	1	
C35	ECCD1H270KC	27PF, 50WV, ±10%, Ceramic	1	
C4	ECCD1H101KC	100PF, 50WV, ±10%, Ceramic	1	
C182,183	ECCD1H181KC	180PF, 50WV, ±10%, Ceramic	2	
C140,141,142 143	ECMS05271J-H	270PF, 50WV, ± 5%, Ceramic	4	
C22	ECCD1H100KU	10PF, 50WV, ±10%, Ceramic	1	
C6,40,139,160 161,162,163 169	ECKD1H102PF	0.001μF, 50WV, $\pm^{100}_{0}$%, Ceramic	8	
C5,7,25,30,37 38,42,107, 108,110,111 112,113,114 115,119,49	ECKE1H223PF	0.022μF, 50WV, $\pm^{100}_{0}$%, Ceramic	17	
C17,39,164, 165,166,167 173,174,175 176	ECKE1H102MD	0.001μF, 50WV, ±20%, Ceramic	10	
C8	ECKD1H102MDA	0.001μF, 50WV, ±20%, Ceramic	1	
C34,159	ECKE1H103MD	0.01μF, 50WV, ±20%, Ceramic	2	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
C128,131,133 135	ECKE1H472MD	0.0047μF, 50WV, ±20%, Ceramic	4	
C100	ECKDAL101PE	100PF, 50WV, $\pm^{100}_{0}$%, Ceramic	1	
C101	ECKDAL103PE	0.01μF, 50WV, $\pm^{100}_{0}$%, Ceramic	1	
C109	ECKD2H102PE	1000PF, 100WV, $\pm^{100}_{0}$%, Ceramic	1	
C103	ECKD1H153MD	0.015μF, 50WV, ±20%, Ceramic	1	
C204,205,206 207	ECQG05103MZN	0.01μF, 50WV, ±20%, Polyester	4	
C36,45,51,57 58	ECQG05223MZN	0.022μF, 50WV, ±20%, Polyester	5	
C43	ECQG05153MZN	0.015μF, 50WV, ±20%, Polyester	1	
C104	ECQG05104MZN	0.1μF, 50WV, ±20%, Polyester	1	
C148,150,151 152	ECQG05224MZN	0.02μF, 50WV, ±20%, Polyester	4	
C130,132,134 136	ECQG05683MZN	0.068μF, 50WV, ±20%, Polyester	4	
C52	ECQG05682MZN	0.0068μF, 50WV, ±20%, Polyester	1	
C212,213,214 215	ECAG16ER1	0.1μF, 16WV, Electrolytic	4	
C124,125,126 127	ECAG16ER22	0.22μF, 16WV, Electrolytic	4	
C50,105,106, 118,120,121 122,155,156 157,158 168,170,171, 172,177,178 180,181,200 201,202,203	ECEA50V1	1μF, 50WV, Electrolytic	23	
C41,47	ECEA25V4R7	4.7μF, 25WV, Electrolytic	2	
C44,129,149	ECEA16V10	10μF, 16WV, Electrolytic	3	
C55	ECEA10V33	33μF, 10WV, Electrolytic	1	
C144,145,146 147	ECEA6V47	47μF, 6.3WV, Electrolytic	4	
C53	ECEA6V33	33μF, 6.3WV, Electrolytic	1	
C210	ECEA10V47	47μF, 10WV, Electrolytic	1	
C54	ECEA6V100	100μF, 6.3WV, Electrolytic	1	
C216	ECEA16V100	100μF, 16WV, Electrolytic	1	
C46,56,123	ECEA6V220	220μF, 6.3WV, Electrolytic	3	
C137,208	ECEA10V220	220μF, 10WV, Electrolytic	2	
C211	ECEB16V220	220μF, 16WV, Electrolytic	1	
C138	ECEA16V470	470μF, 16WV, Electrolytic	1	
C102	ECET16R2200	2200μF, 16WV, Electrolytic	1	
C153,154	ECET16R3300	3300μF, 16WV, Electrolytic	2	

CABINET

	RYFE8585MUT	Cabinet Body Assembly	1	○
CA1	RKF198X	Cabinet Body Only	(1)	
CA2	RDY15B	Shaft, Pulley	(1)	
CA3	RGL15B2	Panel Light (Red)	(1)	
CA4	RGL15B3	Panel Light (Green)	(1)	
CA5	RGX355A	Ornament, Panel Light	(2)	
CA6	RGK345Z	Indicating Plate	(1)	
	RHR632A	Cover, Indicating Plate	(1)	
CA7	RGP249Z	Panel, Dial	(1)	
CA8	RKM292ZSH	Cabinet Upper Cover Assembly	1	
CA9	RBY48Z	Bracket	(1)	
CA10	RBY47ZS	Bracket	(2)	
	XMM27X10	Screw	(15)	
	RYUIE8244MUT	Bottom Panel Assembly	1	
CA11	RKU179Z	Bottom Panel Only	(1)	
CA12	RMC241Z	Shield (Paper)	(1)	
CA13	RJT412A	Terminal	(1)	
	RYU2E8585MUT	Rear Panel Assembly	1	○
CA14	RKU191Z	Rear Panel Only	(1)	
CA15	RUL325Z	Stopper	(1)	
	RYDE8585MUT	Dial Scale Assembly	1	○
CA16	RKD271Y	Dial Scale Only	(1)	
CA17	RMZ121Z	Holder (Rubber), Stereo Eye	(1)	
CA18	RDY15B	Shaft, Pulley	(3)	
CA19	RUL308Z	Stay Shaft, Cabinet	1	
CA20	RUV307Z	Refrection Plate, Dial Light	1	
CA21	RME69ZS	Bracket, Tape Deck	1	
CA22	RBH8Z	Tape Slot Cover	1	
CA23	RDF936Z	Shaft, Tape Slot Cover	1	
CA24	RUS183Z	Spring, Tape Slot Cover	2	
CA25	RGK451Y	Indicating Plate, VOLUME Mark	1	○
CA26	RHG660Z	Rubber, Volume	1	
CA27	RGK497Z	Indicating Plate, POWER, TUNING etc. Mark	1	○
CA28	RGK461Z	Indicating Plate, PROGRAM Mark	1	
CA29	RGX508Z	Ornament, Cabinet Lower Side	1	
CA30	RGX509Z	Ornament, Right Side of Dial	1	
CA31	RGX510Z	Ornament, Left Side of Dial	1	
CA32	RGX511Z	Ornament, Both Side of Cabinet Front	2	
CA33	RGB129Z	Badge, Panasonic Mark	1	
CA34	RBC42A	Button, Program Selector	1	
CA35	RUS125	Spring, Program Selector Button	1	
CA36	RHR305Z	Washer, Program Selector Button	1	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
CA37	RBN281ZK	Knob, BASS & TREBLE	2	❂ ○
CA38	RBN280ZK	Knob, TUNING	1	❂ ○
CA39	RBS80ZK	Knob, SESECTOR	1	❂ ○
CA40	RBD37A	Knob, VOLUME	4	
CA41	RHG318A	Rubber Leg, Cabinet	4	
CA42	XYN3DF12RS	Red Screw, Upper Cover M'tg	3	
CA43	XYNR4DH10S	Screw, Upper Cover M'tg	4	
CA44	XMMR31D13	Screw, Rear Panel M'tg	3	
	XTW3D12E	Screw, Bottom Panel M'tg	1	

CHASSIS

PL1,2,3	XAM36K	Pilot Lamp, Dial Light 6.3V 250mA	3	
PL4	XAMR18T225	Pilot Lamp, Pointer Light 6.3V 70mA	1	
CH1 (PL11)	XAM371450	Pilot Lamp, Stereo Eye 7.5V 75mA	1	
CH2	RJA10A	AC Cord, Power Source	1	
CH3	RHR116A	Grommet, AC Cord	1	
	RJP78Z	Connecting Plug (3 Pin), Tape Deck	1	
CH4	RJP81Z	Connecting Plug (6 Pin), Tape Deck	1	
	RJR11A	Lead Holder (3 Terminals)	1	
	RJR4B	Lead Holder (2 Terminals)	1	
CH5	RJF1001A	Terminal, FM ANT	1	
CH6	RJF1039Z	13 Pin Jack with Board	1	
CH7	RJJ66A	Jack, Headphone	1	
CH8	RJS41A	Socket, Remote Balance	1	
CH9	RJS205A	Socket, Dial Lamp	3	
	RJT403A	Terminal, Shield (Cabinet Bottom)	1	
CH10	RMC171A	Shield Cover, IC	1	
CH11	RUL323ZS	Bracket, Cabinet Cover	1	
	RMK65Z	Bracket, Headphone Jack	1	
CH12	RMP75Z	Bracket, Dial Lamp Socket	1	
CH13	RMR22BS	Bracket, Volume Control	1	
CH14	RMV26Z	Bracket, Core Ant, & Tuning Gang	1	
CH15	RMW91Z	Bracket, Power Switch	1	
	RMX56A	Insulated Plate, Power IC	1	
CH16	RMW95Z	Bracket, AFC Switch	1	○
	RDP659Z	Pointer, Dial	1	
	RDA53Z	Bracket, Pointer	1	
	RHG973Z	Rubber, Pointer	1	
CH17	RDD790ZS	Drum, Dial	1	
CH18	RDE64Z	Lead Wire Guide, Pointer Lamp	1	
CH19	RDH81Z	Refrection Cover, Dial Light	1	
CH20	RDS4170A	Spring, Dial	1	
CH21	RDT2221ZK	Shaft, Tuning	1	❂
CH22	RDZ05A	Cord (500m), Dial	1 Roll	
CH23	RDY9	Grommet, Pulley Shaft	1	
CH24	SDY11	Shaft, Pulley	1	
CH25	RDR14-2	Pulley, Dial	1	
CH26	RDR20-3	Pulley, Dial	4	
CH27	RHG109	Rubber, Core Ant.	2	
CH28	RHR906A	Grommet, Dial Spring	1	
CH29	RNW150-2	Nylon Washer, Pulley	4	
CH30	XTN3D8B	Screw, Dial Lamp Bracket M'tg	2	
CH31	XYN3DC8S	Screw, Tape Deck M'tg	2	
CH32	XTN3D10B	Screw, Tape Deck M'tg	3	
	XYN26DC5	Screw, AFC Switch M'tg	2	
	XXAR3H6S	Screw, Dial Drum M'tg	2	
	XNS8	Nut, Tuning Shaft, Selector etc.	4	
	XYN3DC6S	Screw, Volume Control, Tuning Gang etc.	13	

ACCESSORY

A1	QFQ1025	Head Cleaning Bar	1	

PACKING

P1	RPH211Z	Soft Cover	1	
P2	RPN1607Z	Pad, Right & Left	1	
P3	RPN1608Z	Pad, Front & Rear	1	
P4	RPG1246Z	Packing Case	1	○
P5	RQX5660Z	Instruction Book	1	○

SPEAKER SYSTEM

	SB-6224	Speaker System (MEP)		

TAPE DECK

	RJD8010ZS	Tape Deck Assembly	1	
1	RMQ463Z-A	Flywheel Assembly	1	
2	RMQ464Z-A	Belt, Motor	1	
3	XSN3D8S	Screw, Motor & Bracket M'tg	6	
4	MYT11KF	Motor (with Pulley)	1	
5	XSN3D6S	Screw; Flywheel, Tape Guide & etc. M'tg	12	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
6	RMQ465Z-A	Head Bracket Assembly	1	
6-1	RMQ479Z-A	Keeper Spring, Radius Arm	(1)	
6-2	RMQ480Z-A	Radius Arm, Head	(2)	
6-3	RMQ481Z-A	Block, Head (Parts of Assembly Order RMQ465 Z-A)	(1)	
6-4	RMQ482Z-A	Radius Arm, Head	(1)	
6-5	RMQ483Z-A	Screw, Head Azimuth	(1)	
6-6	RMQ484Z-A	Bracket, Head	(1)	
6-7	RMQ485Z-A	Rivet, Bracket M'tg	(1)	
6-8	RMQ486Z-A	Bracket, Head	(1)	
6-9	RMQ487Z-A	Spring, Head Azimuth	(1)	
6-10	RMQ466Z-A	Spring, Head	1	
7	RMQ488Z-A	Screw, Head M'tg	1	
8	RJH10Z	Head	1	
9	RMQ467Z-A	Lead Wire (Gray), Head	1	
10	RMQ468Z-A	Lead Wire (Brown), Head	1	
11 (S6)	RMQ461Z-A	Tape Guide & Auto Program Selector	1	
12	RMQ231A-A	Rivet, Motor Switch	3	
13 (S5)	RMQ469Z-A	Motor Switch	1	
14	RMQ460Z-A	Upper Bracket	1	
15	XSN26D6	Screw, 2CH-4CH Selector Switch M'tg	2	
16 (S4-1~4-4)	RMQ471Z-A	2ch-4CH Switching Motor Switch	1	
17	RMQ231A-A	Rivet, Bracket M'tg	2	
18	RMQ462Z-A	Side Spacer, Taper	1	
19	RMQ475Z-A	Slide Lever	1	
20	RMQ473Z-A	Spring, Slide Lever	1	
21	RMQ489Z-A	Rivet, Slide Lever M'tg	4	
22	RMQ474Z-A	Slide Lever	1	
23	RMQ476Z-A	Spring, Slide Lever	1	
24	RMQ472Z-A	Bracket, P.C.B.	1	
25	RMQ478Z-A	Lead Holder (4 Terminal)	1	
26	RMQ477Z-A	Lead Holder (4 Terminal)	1	
27	XNG3CS	Nut, Head Bracket Assembly M'tg	2	
28 (S8)	RMQ470Z-A	Program Selector Assembly	1	
28-1	XUC25FW	E Ring	(3)	
28-2	RMQ490Z-A	Spring Cam	(1)	
28-3	RMQ491Z-A	Shaft, Cam	(1)	

Ref.No.	Part No.	Description	Per Set (Pcs.)	Remarks
28-4	RMQ492Z-A	Cam, Program Selector	(1)	
28-5	RMQ493Z-A	Contact Plate, Program Selector	(1)	
28-6	RMQ494Z-A	P.C.B. Program Selector	(1)	
28-7	RMQ495Z-A	Spring, Cam Stopper	(1)	
28-8	RMQ496Z-A	Grommet, Cam Stopper Spring	(1)	
28-9	RMQ497Z-A	Shaft, Cam Stopper Spring	(1)	
28-10	RMQ498Z-A	Bracket, P.C.B.	(1)	
28-11	XNG4B	Nut, Cam Shaft M'tg	(1)	
28-12	RMQ499Z-A	Rivet, P.C.B. M'tg	(1)	
28-13	RMQ500Z-A	Lever, Plunger Guide	(1)	
28-14	RMQ501Z-A	Spring, Plunger Guide	(1)	
28-15	RMQ502Z-A	Pin, Plunger Guide	(1)	
28-16	RMQ503Z-A	Bracket, Plunger Guide (Parts of Assembly Order RMQ470 Z-A)	(1)	
28-17	RMQ504Z-A	Plunger	(1)	
28-18	RMQ505Z-A	Spring, Plunger	(1)	
28-19	RMQ506Z-A	Bracket, Solenoid	(1)	
28-20	RMQ507Z-A	Solenoid Assembly	(1)	
28-21	RMQ508Z-A	Shaft, Solenoid M'tg	(1)	
28-22 (D8)	RMQ383A-A	Diode,	1	
29	RUL311ZS	Bracket, Cabinet Cover	1	
30	XTN3D8F	Screw, Bracket M'tg	2	
31 (S7)	RSH50B	Manual Program Selector Switch	1	
32	XTN3D6F	Screw, P.C.B. & Bracket M'tg	4	
33 (PL5~10)	XAMR28K	Pilot Lamp, Program & Channel Light	6	
34	RHG205Z	Reflection Cover (Rubber), Program & Channel Lamp	1	
35	RME68ZS	Bracket, Program & Channel Lamp	1	
36	RJS78Z-U	Connecting Socket (3 Pin)	1	
37	RJS79Z-U	Connecting Socket (6 Pin)	1	
38	XWG3	Washer, Manual Program Selector Switch M'tg	1	
39	XWA3B	Spring Washer, Manual Program Selector Switch	1	
D9	RMQ383A-A	Diode	1	

MEMO: